

Abstract

Elements necessary for a digital television receiver are structured as a plurality of digital signal processing blocks and a host operation processing block. The blocks are connected through a general-purpose bus. Command for controlling the operations of the blocks and data of streams are transferred through the bus. Thus, by replacing only blocks, various types of digital television broadcasts that differ in carrier waves, modulating systems, and compressing systems can be handled. Consequently, the developing efficiency of a television receiver is improved. In addition, when a new service is started, by adding hardware for the service, the service can be easily handled.